

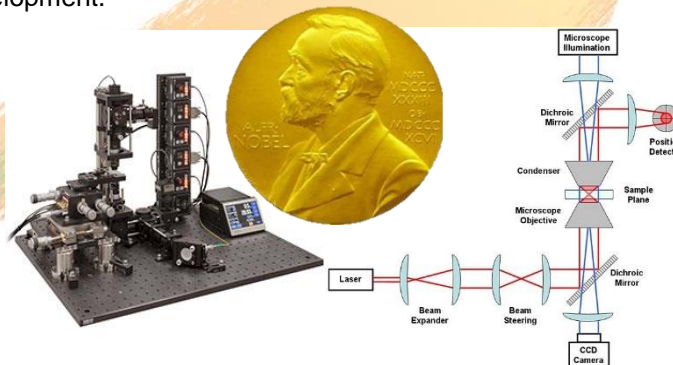


The Science and History of Optical Tweezers – the 2018 Nobel Prize in Physics (SCIT1061)

Introduction

The Nobel Prize in Physics 2018 has been awarded to Arthur Ashkin (American), Gerard Mourou (France), and Donna Strickland (Canada) for their work in Laser Physics. Arthur Ashkin was awarded half the prize for his contribution in inventing the optical tweezers, a tractor beam-like device that allows one to move small particles such as a cell around in a contact-less manner, while Mourou and Strickland each share a quarter of the prize for their work on paving the way for the shortest and most intense laser beam ever made.

This talk is about Arthur Ashkin and his optical tweezers. The speaker will talk about the science and history of optical tweezers, from its conception to its realization, as well as its future development.



Programme Type

Introductory Talk in Science ([NON Token-required](#))

Speaker

Dr Ng Tsz Fai, Jack is an Assistant Professor in the Department of Physics of Hong Kong Baptist University. He has researched in optical tweezers and related issues for almost 20 years.

Target Participants



- S1 – S6 HKAGE student members
- Class size: 10
- * *First-come, first-served*

Language



Cantonese

Application Deadline

14 Oct 2018

Schedule



Date	16 October 2018 (Tuesday)
Time	4:30 p.m. – 6:30 p.m. (Please arrive at 4:15 p.m. for registration)
Venue	SCT 501 (LT1), Cha Chi-ming Science Tower, Ho Sin Hang Campus, Hong Kong Baptist University (map) (Address: 224 Waterloo Road, Kowloon Tong)

Enquiries



For enquiries, please contact us at 3940 0101 after language selection, press "1".